

FIG. 1

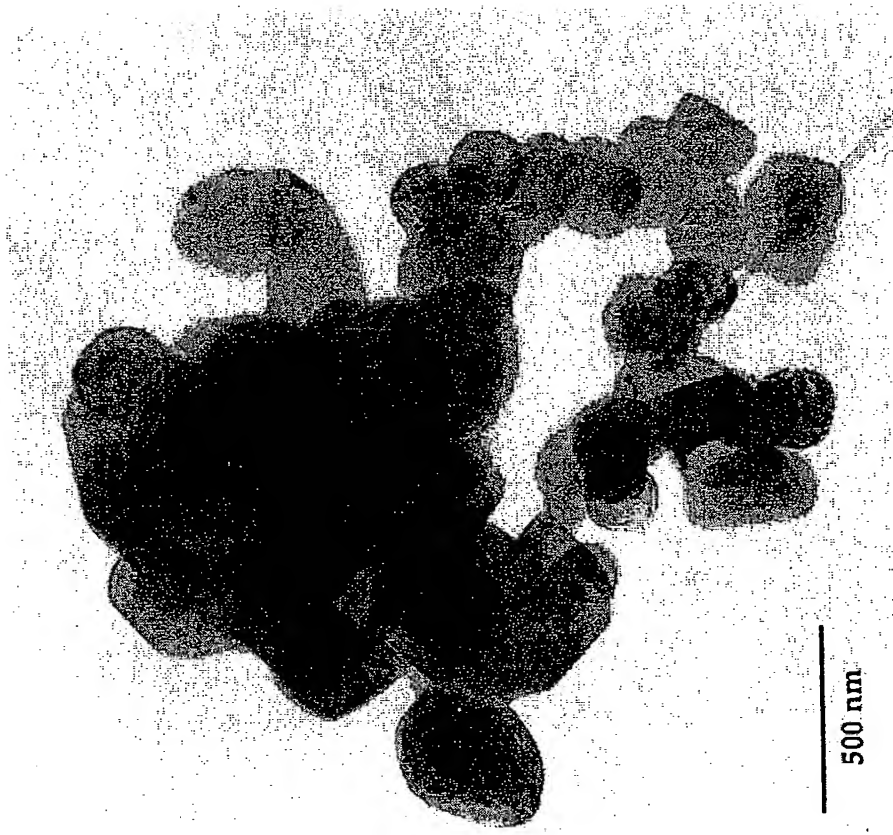
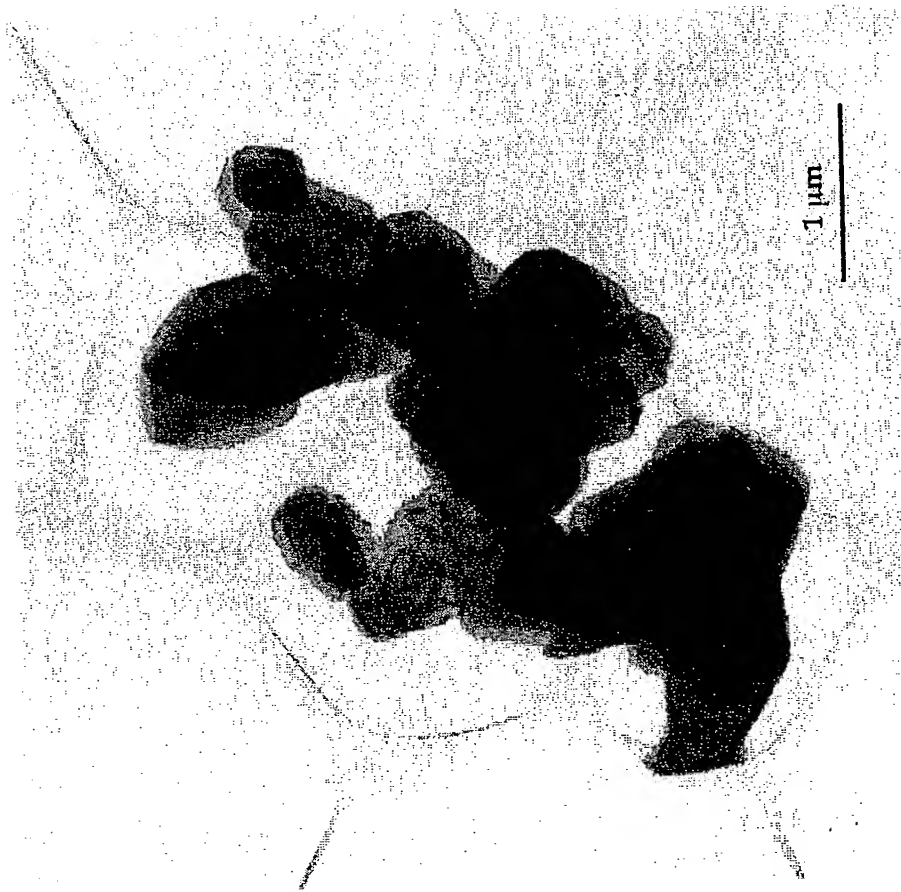


FIG. 2



(b)

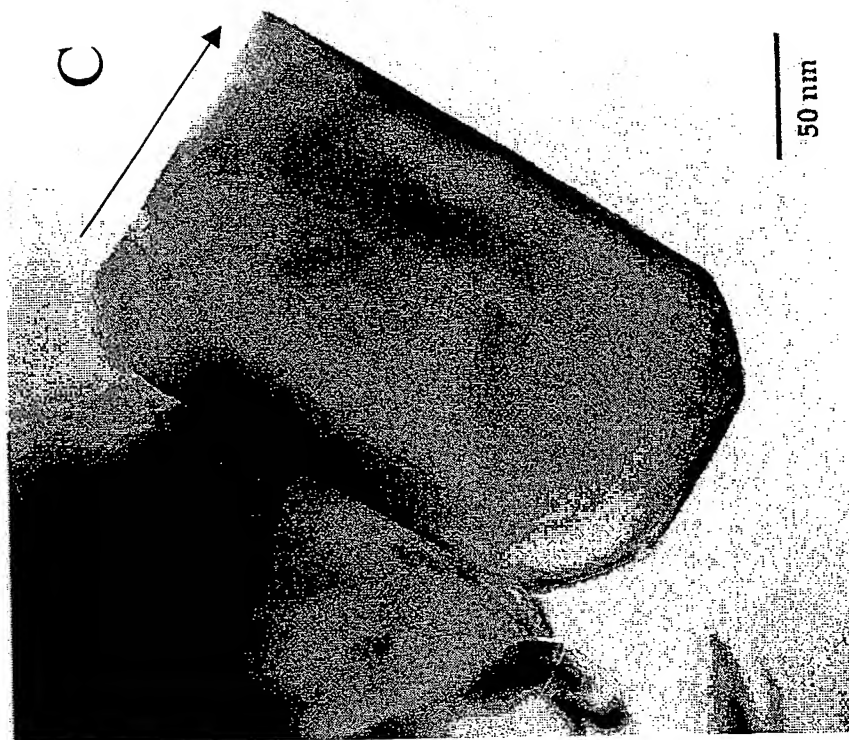


FIG. 3 (a)

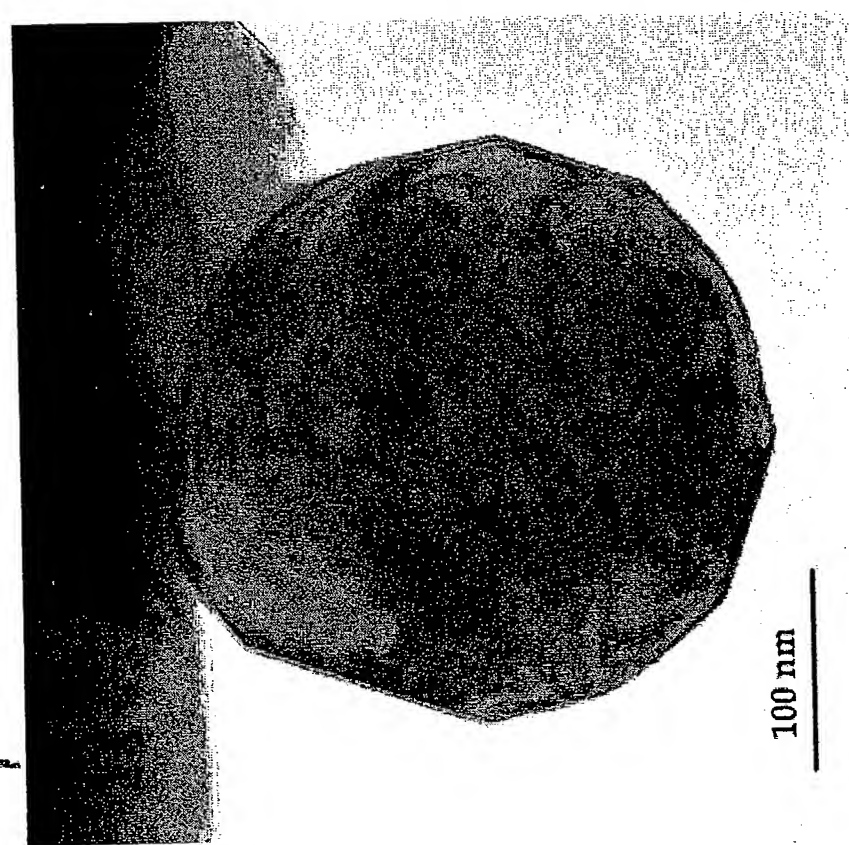


FIG. 4

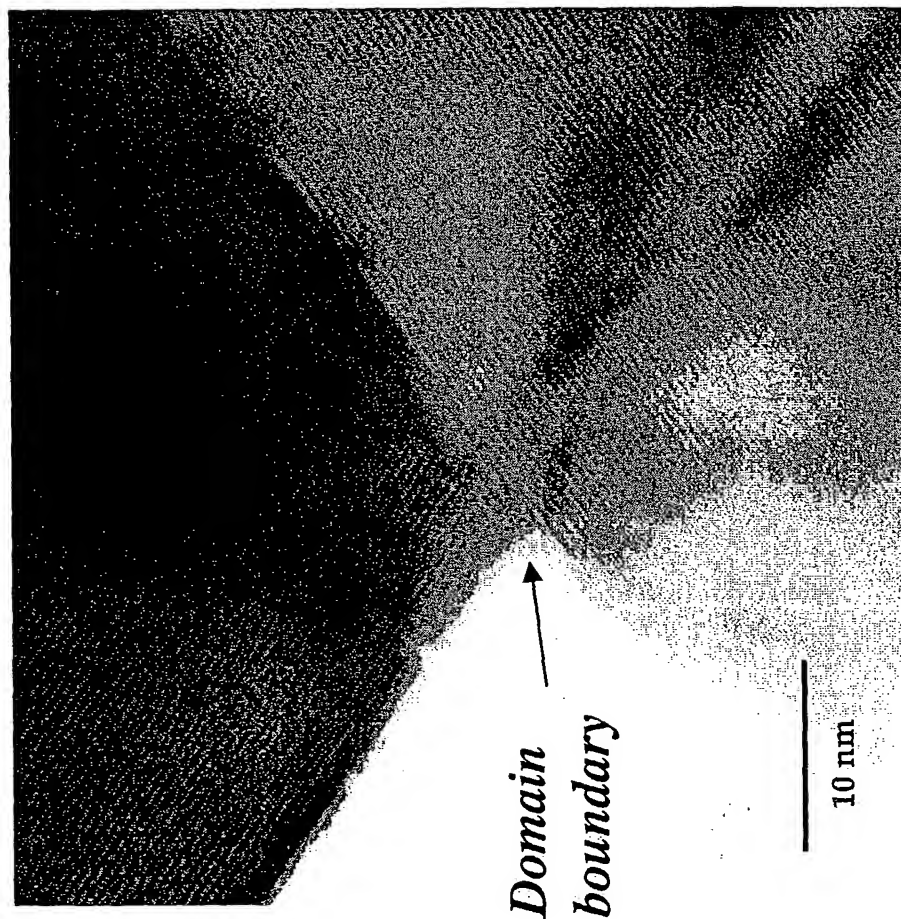
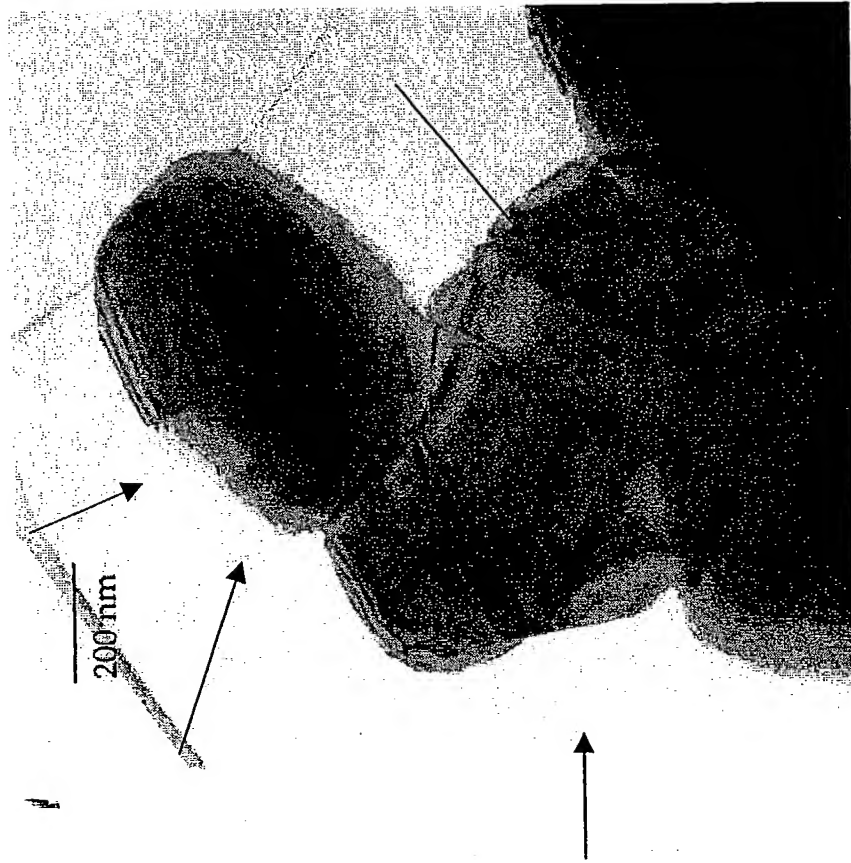


FIG. 5(a)



(b)

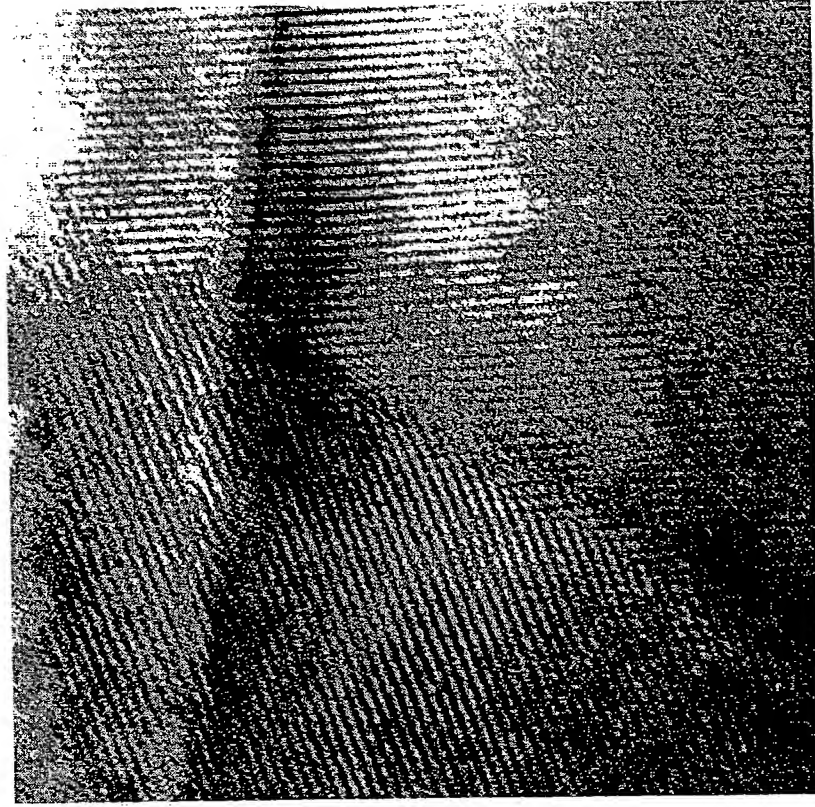


FIG. 6

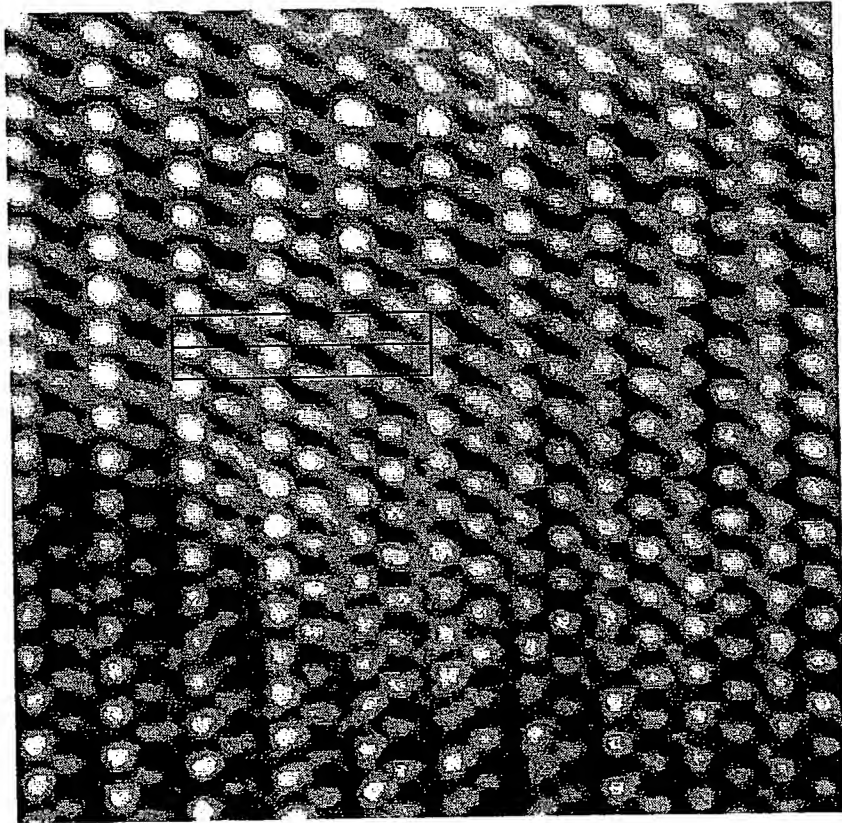


FIG. 7

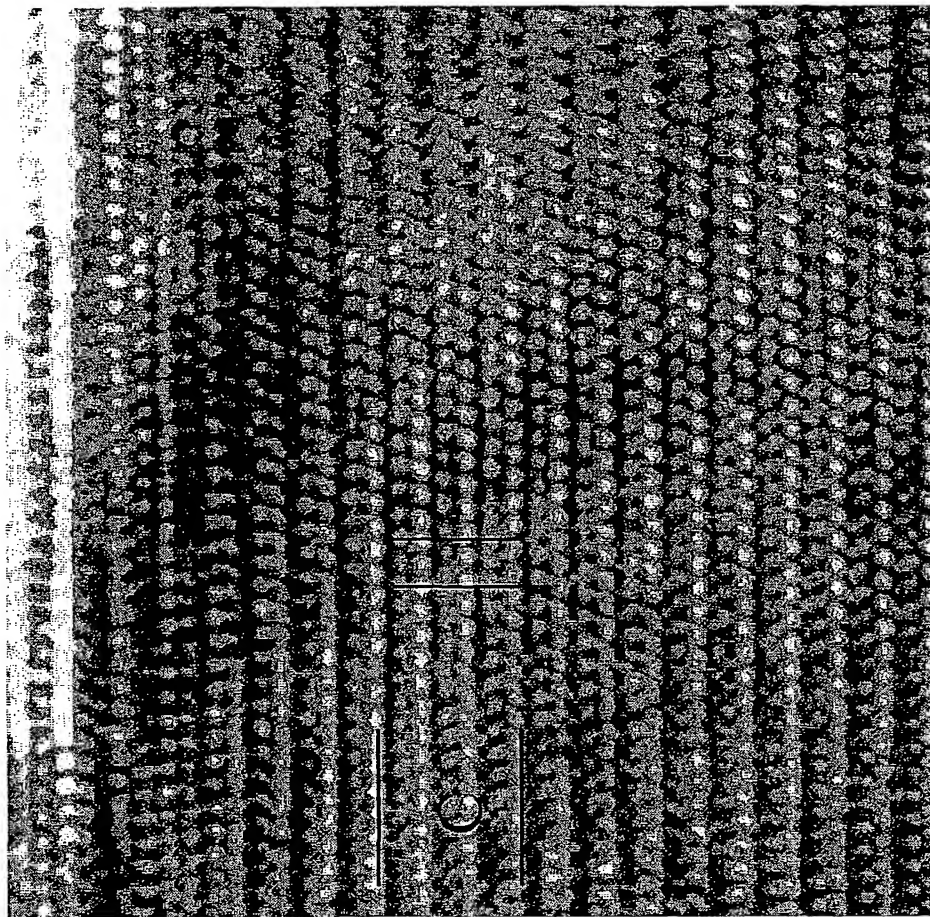
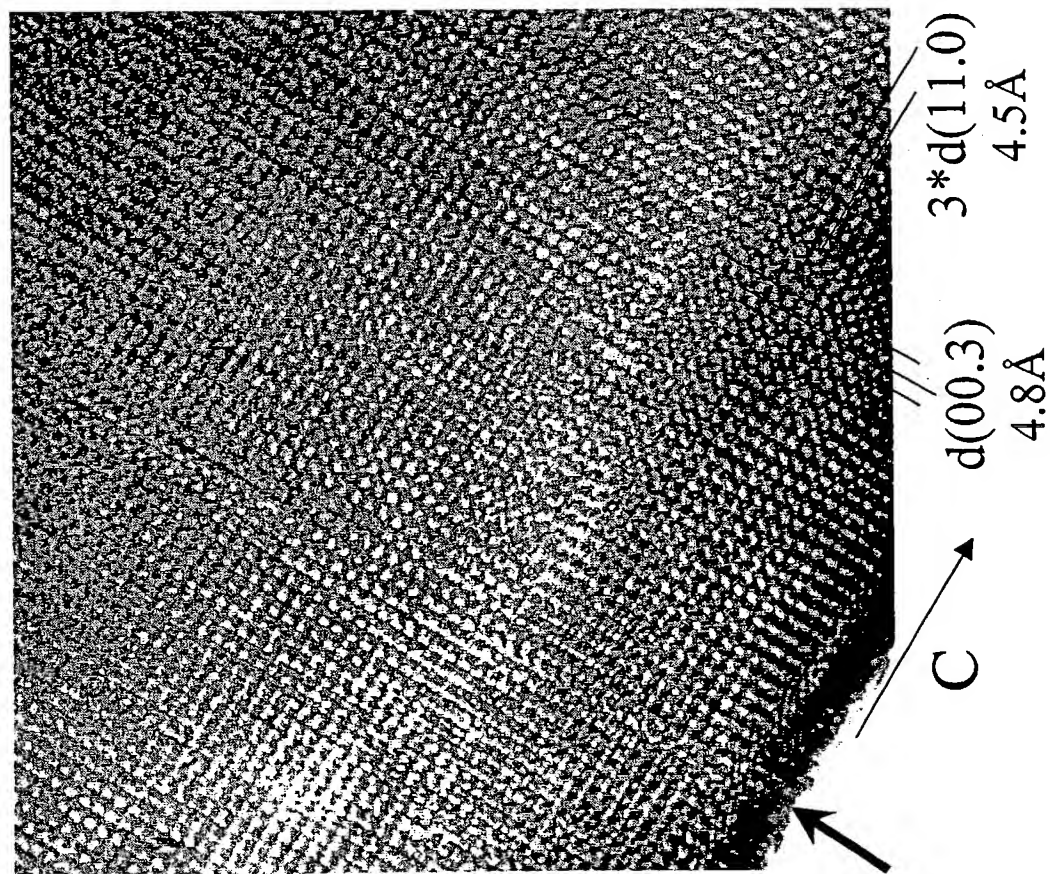
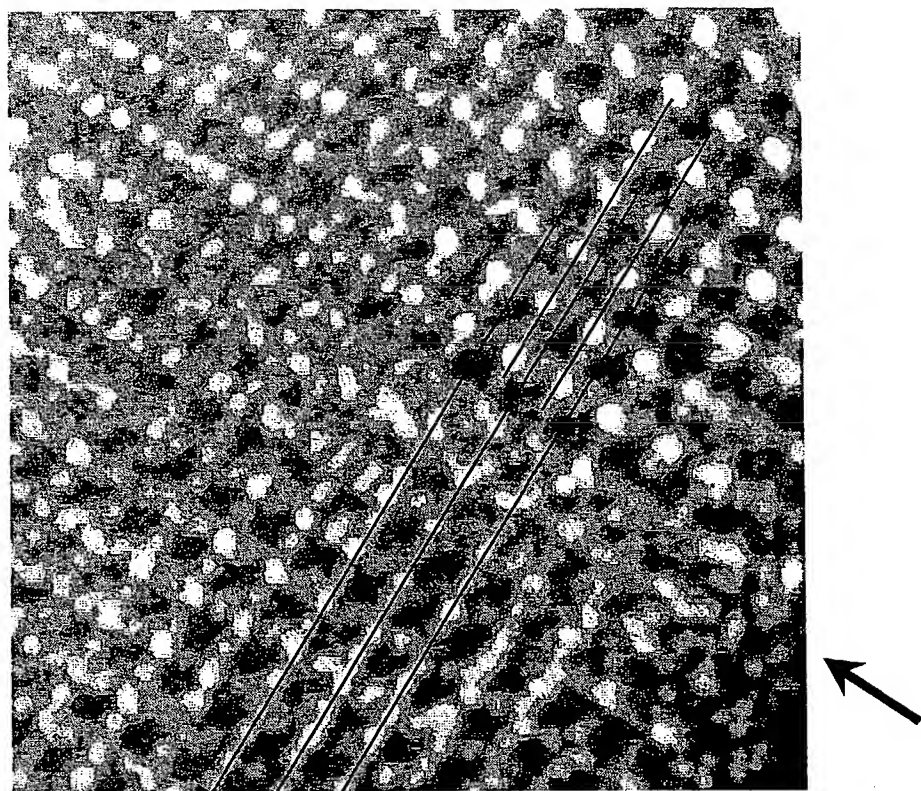


FIG. 8(a)



(b)



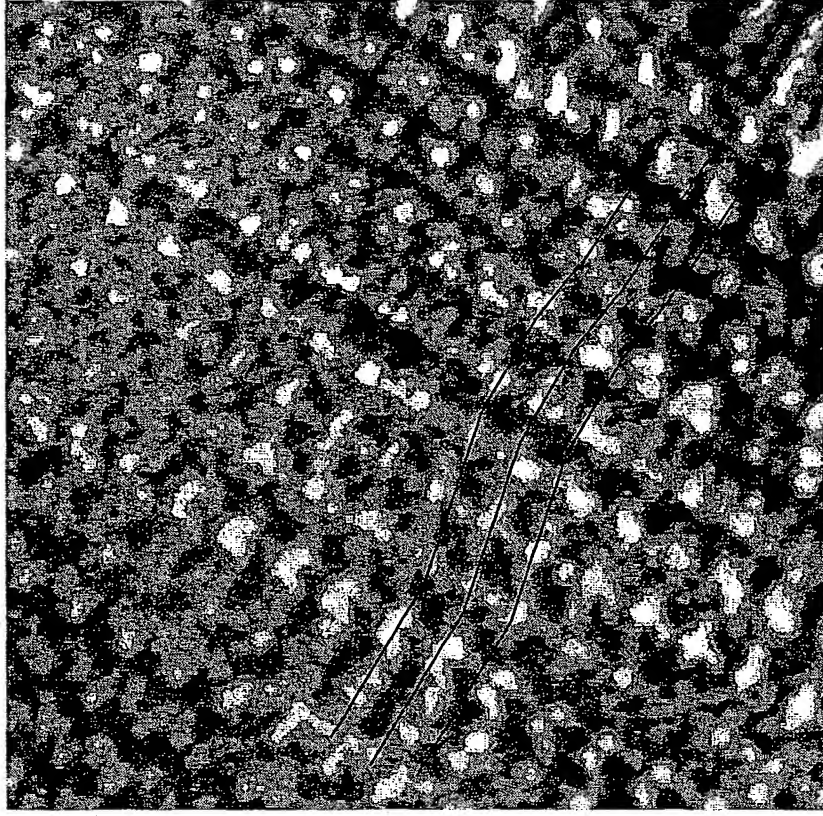
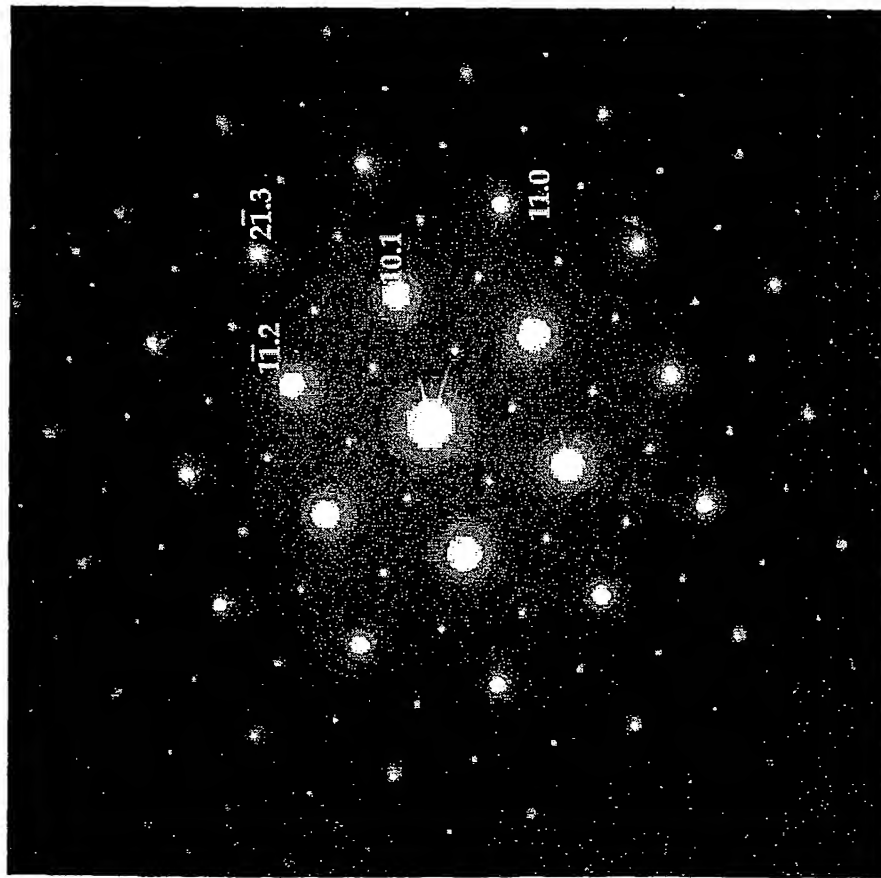


FIG. 9

FIG. 10(a)



(b)

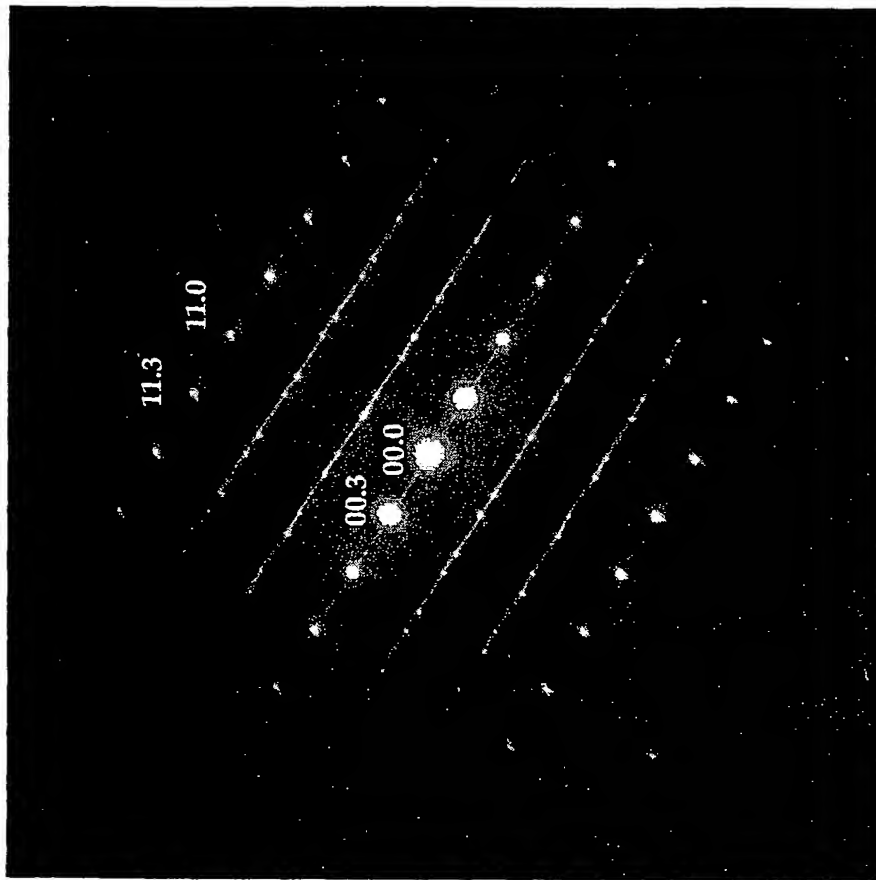
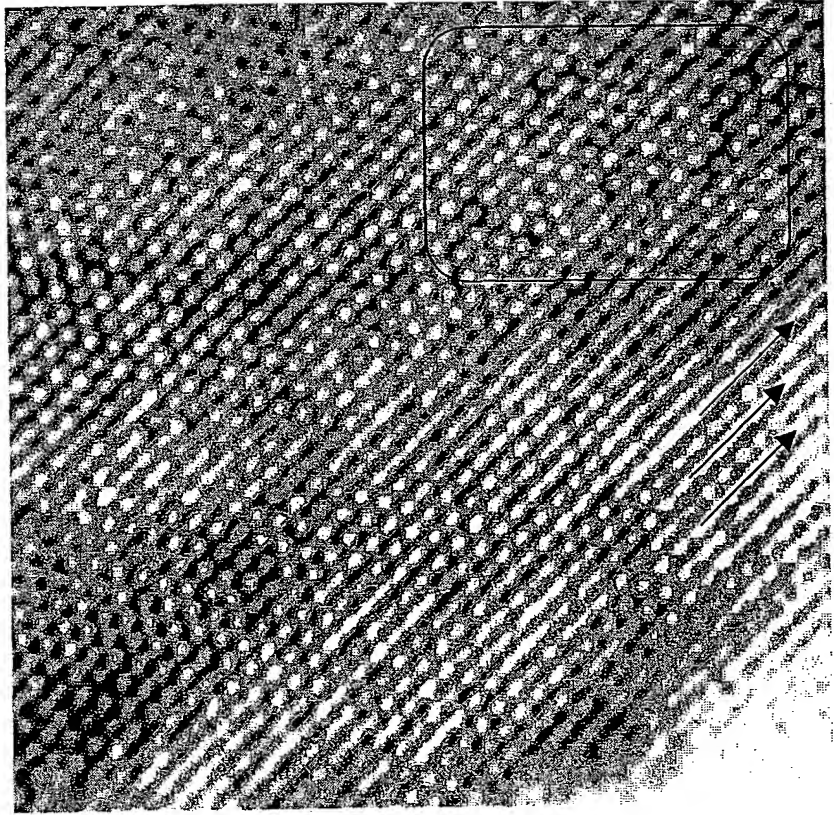


FIG. 11(a)



(b)

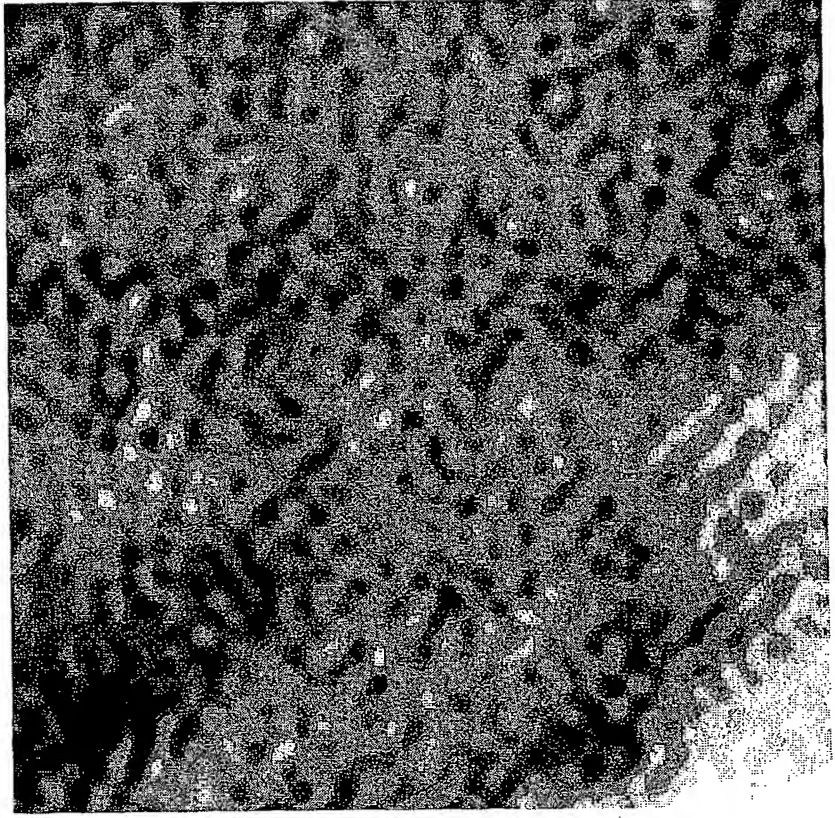
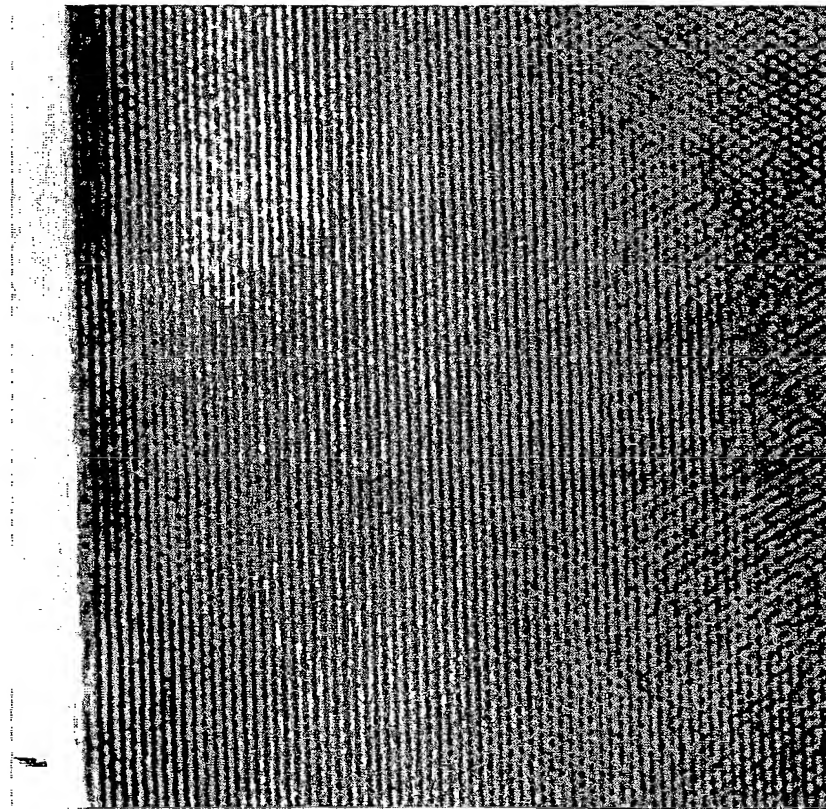
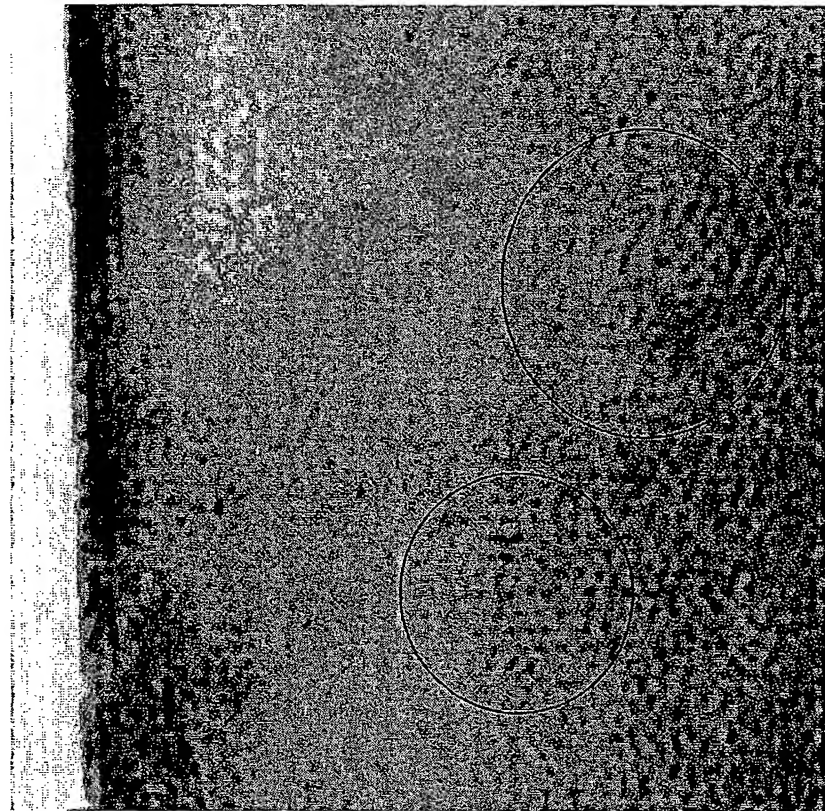


FIG. 12(a)



(b)



Ordered regions

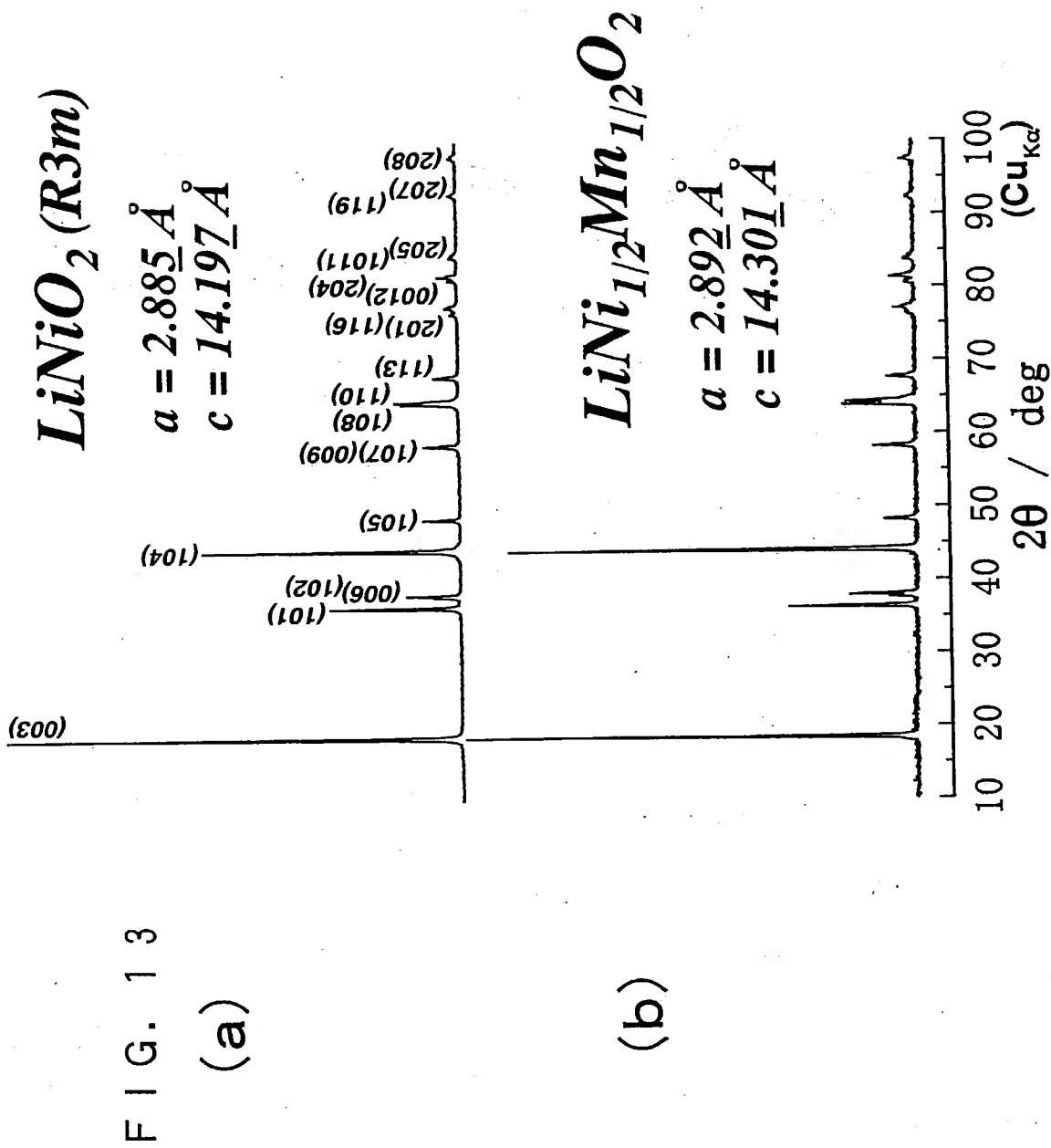
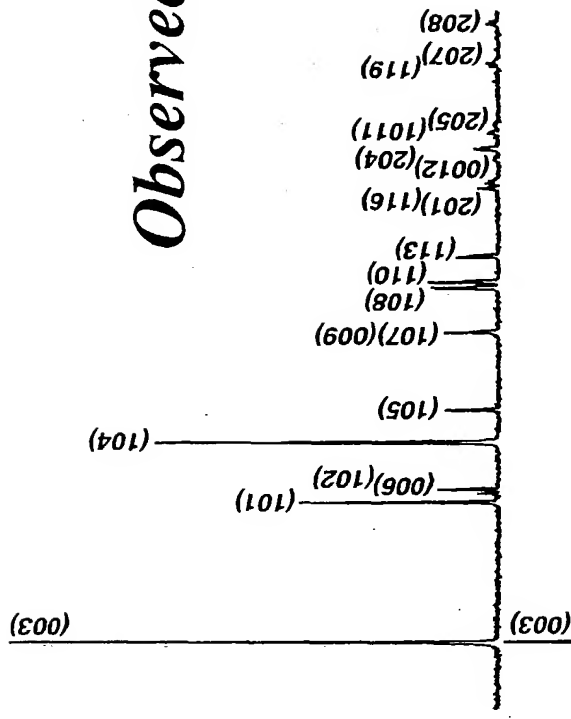


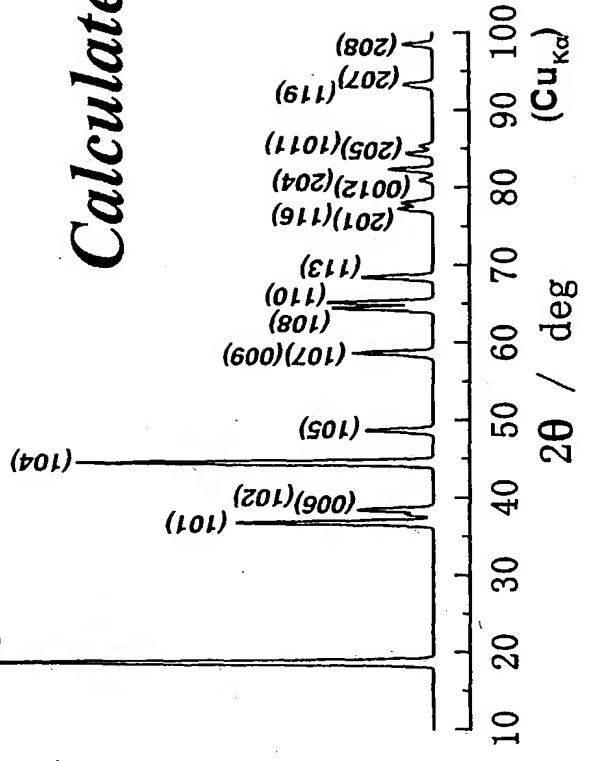
FIG. 14

No	(h k l)	Integrated Intensity	
		LiNiO ₂	LiNi _{1/2} Mn _{1/2} O ₂
1	(003)	100	84.17
2	(101)	32.98	30.59
3	(006)	15.99	18.43
4	(102)		
5	(104)	74.06	100
6	(105)	10.38	10.34
7	(107)(009)	10.94	13.17
8	(108)		
9	(110)	35.53	51.91
10	(113)	9.34	10.68

Observed



Calculated



2θ / deg

(Cu_{Kα})

FIG. 15

(a)

(b)

FIG. 16

No.	(hkl)	$d_{\text{ob}}/\text{\AA}$	$d_{\text{cal}}/\text{\AA}$	I_{ob}	I_{cal}
1	(003)	4.75	4.75	100.00	99.80
2	(101)	2.44	2.44	39.36	39.57
3	(006)	2.38	2.37	15.88	20.86
4	(102)		2.34		
5	(104)	2.04	2.03	87.13	71.47
6	(105)	1.87	1.87	11.73	13.57
7	(107)	1.58	1.58	14.43	17.53
8	(009)		1.57		
9	(108)		1.45	39.19	41.16
10	(110)	1.45	1.43		
11	(113)	1.37	1.37	13.26	14.26
12	(204)	1.17	1.17	8.82	8.66
13	(208)	1.02	1.02	5.69	6.03

FIG. 17

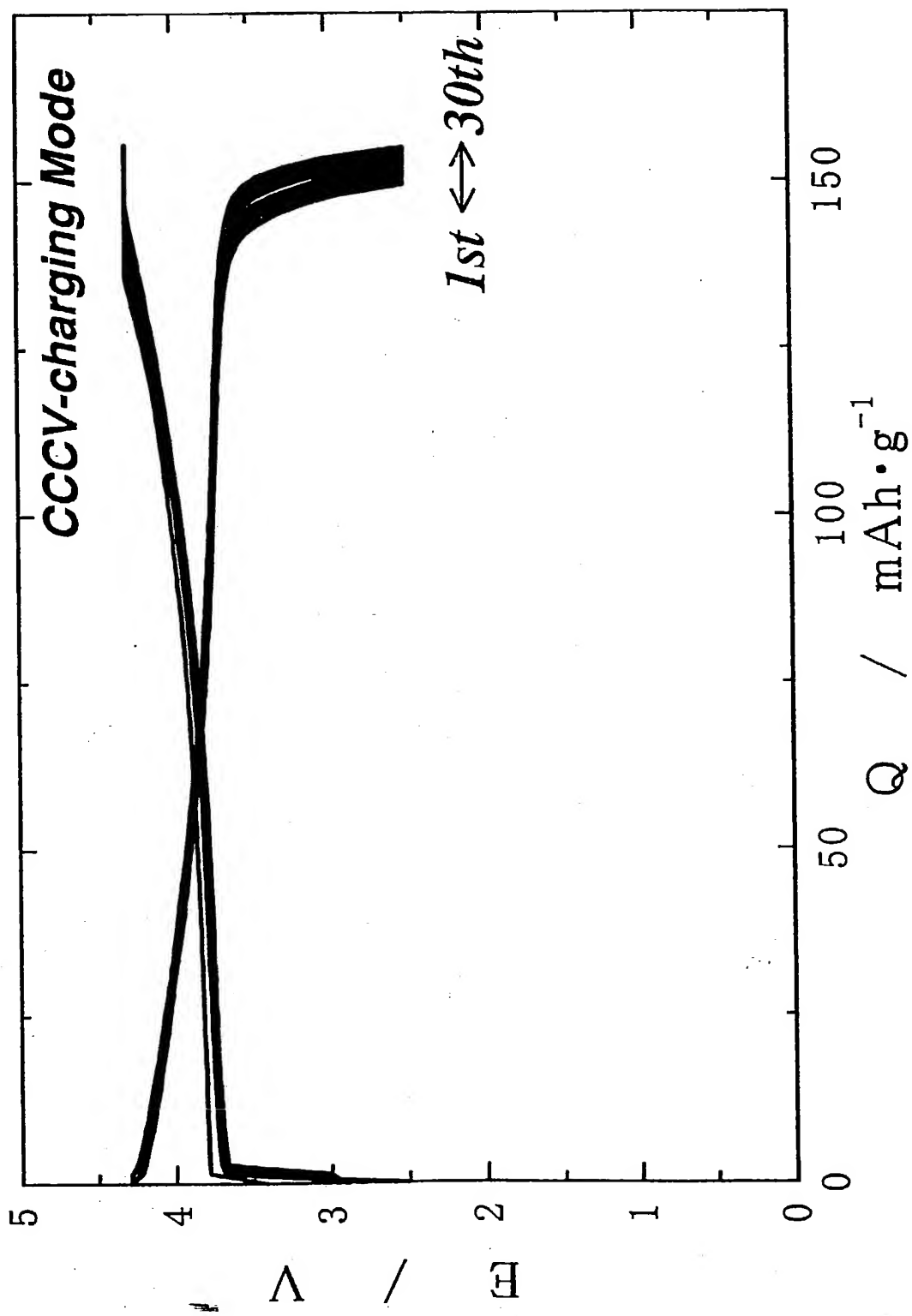


FIG. 18

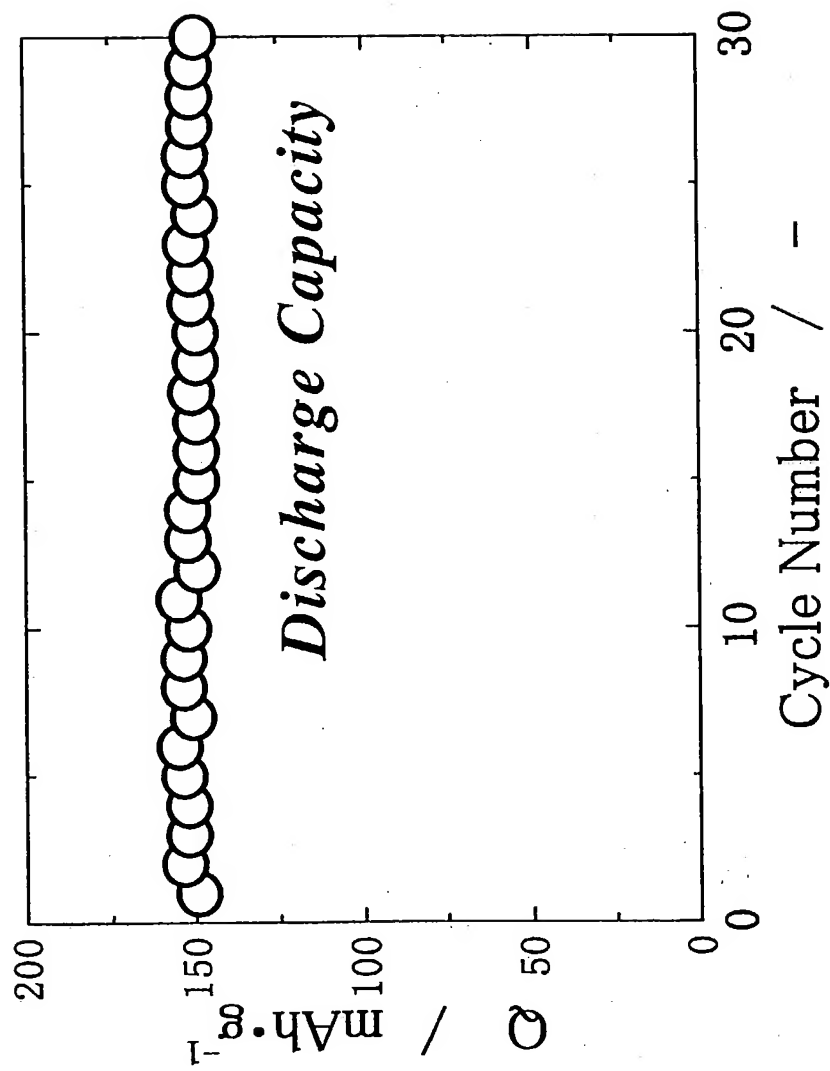


FIG. 19

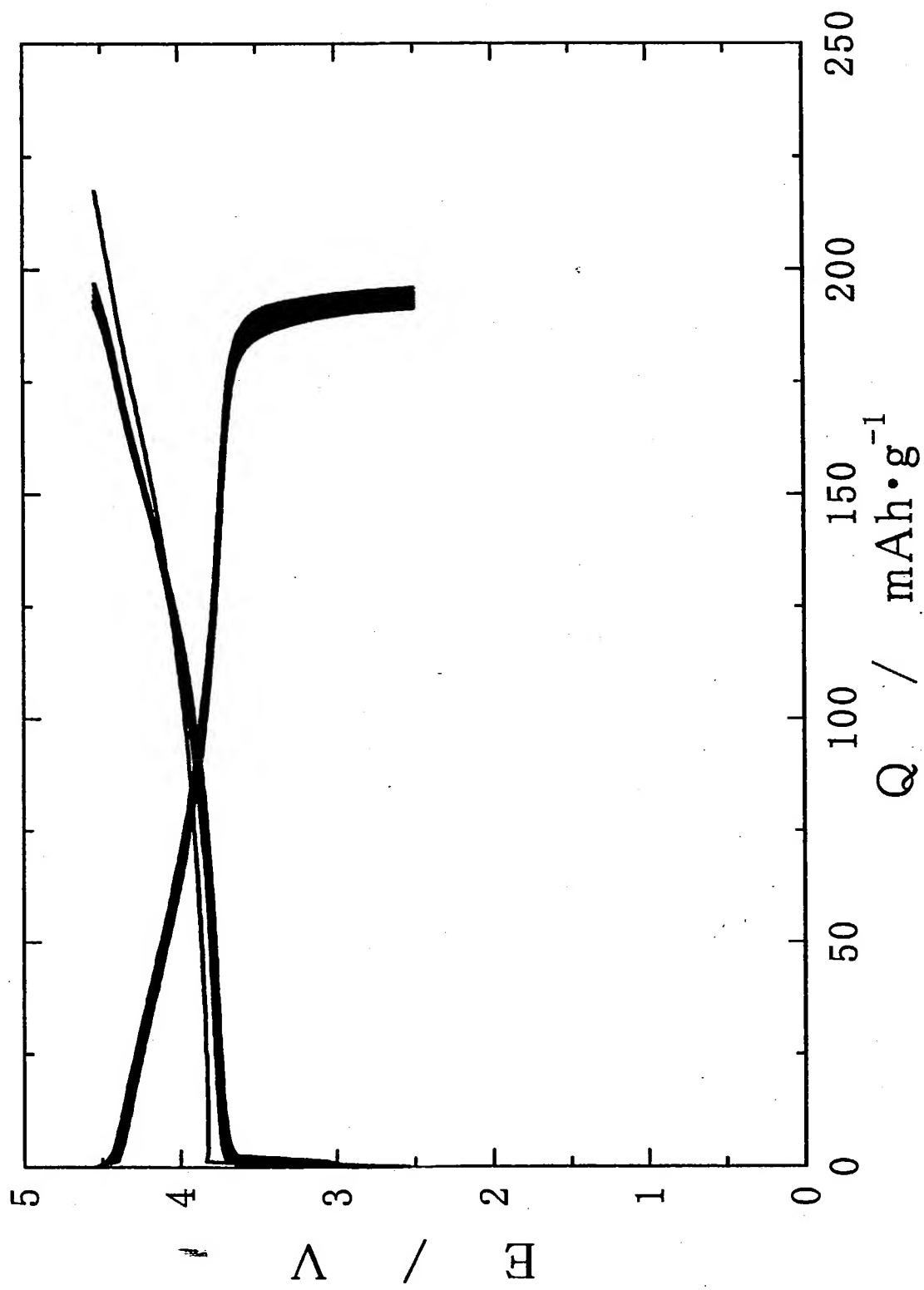


FIG. 20

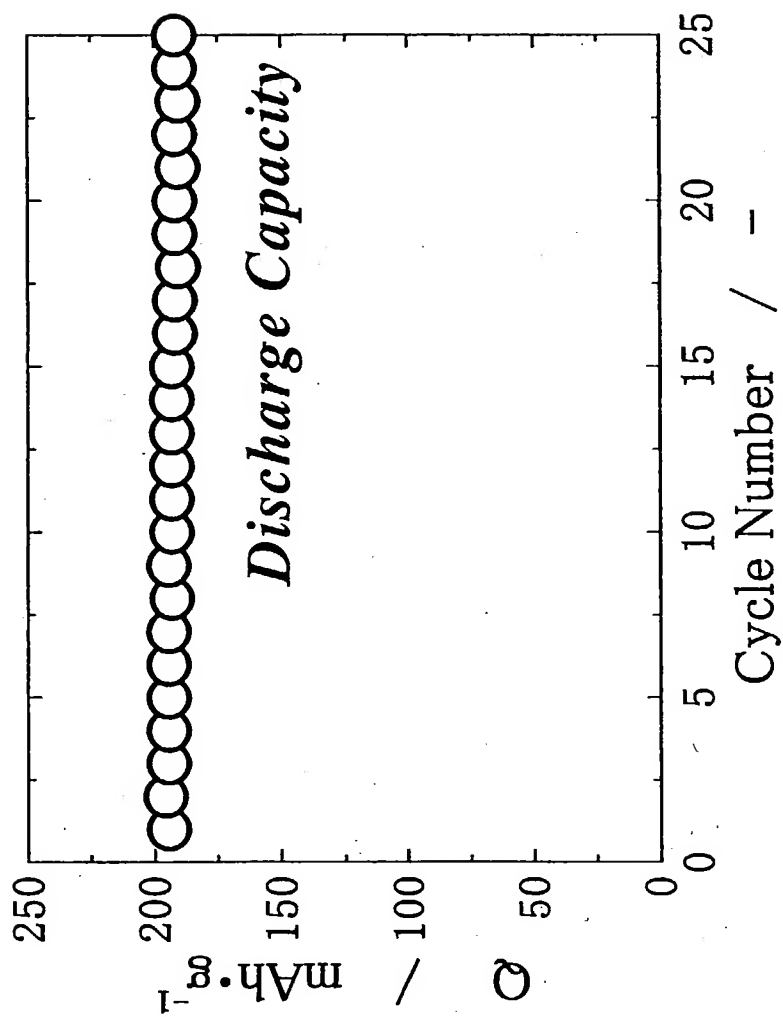


FIG. 21

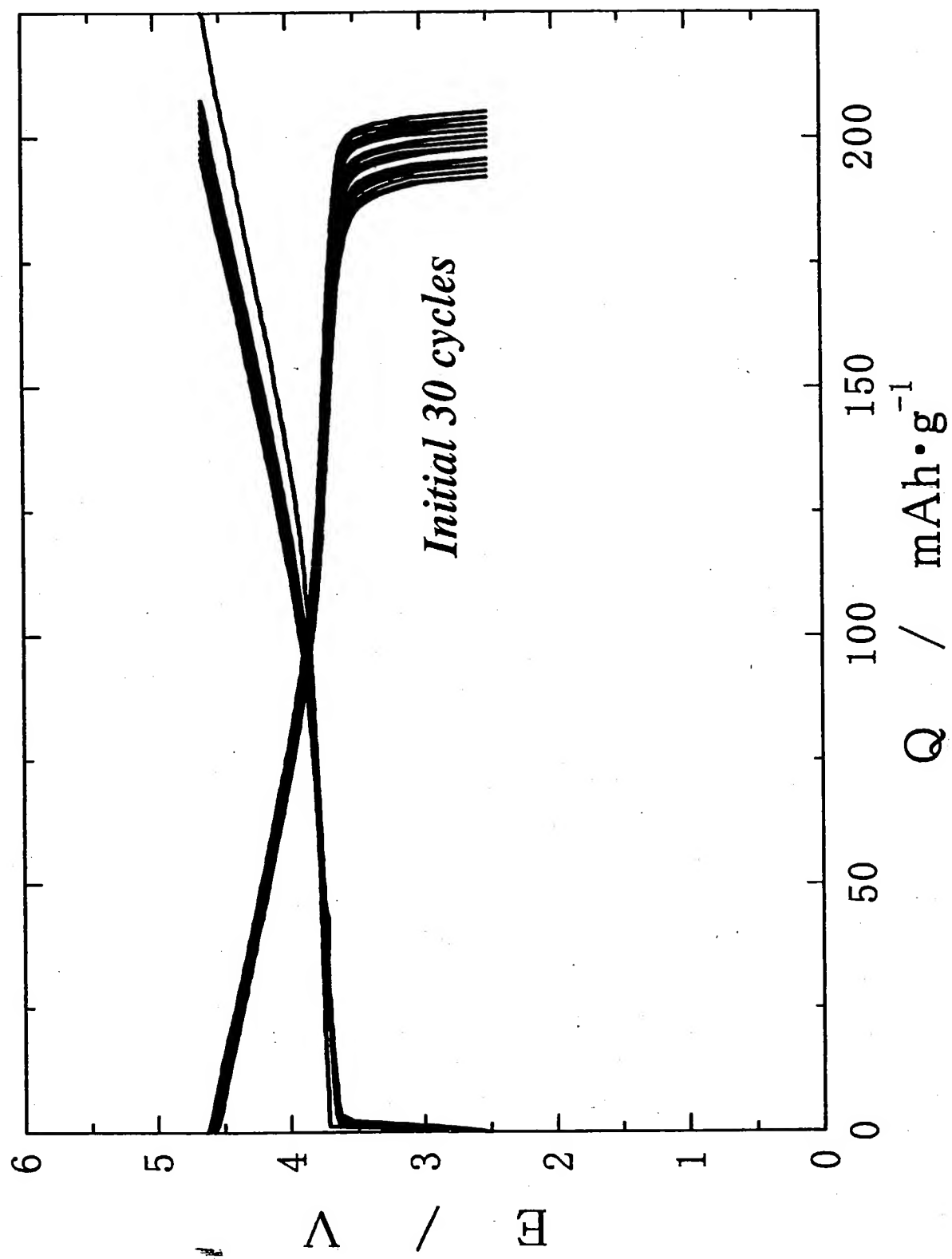


FIG. 22

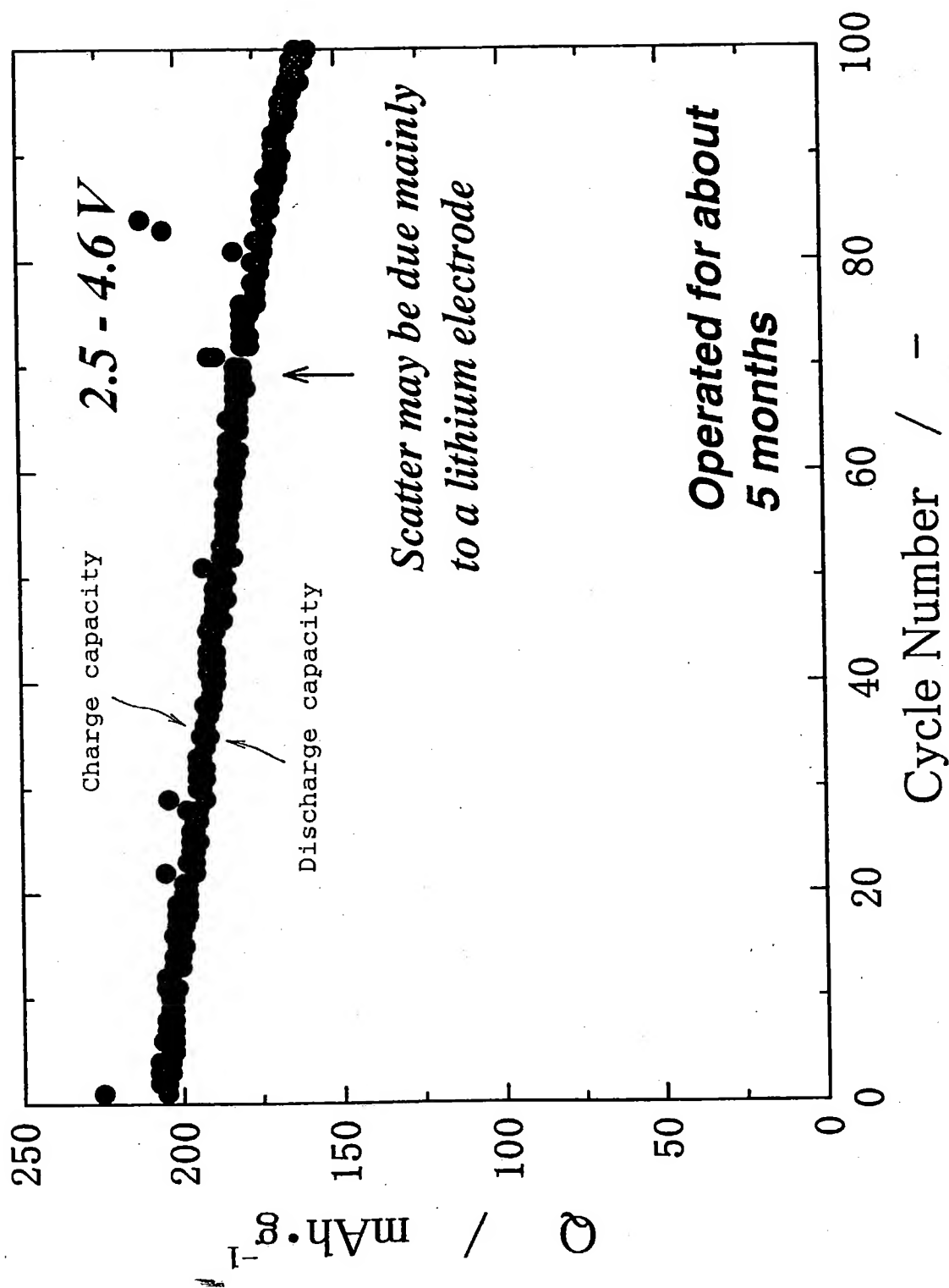
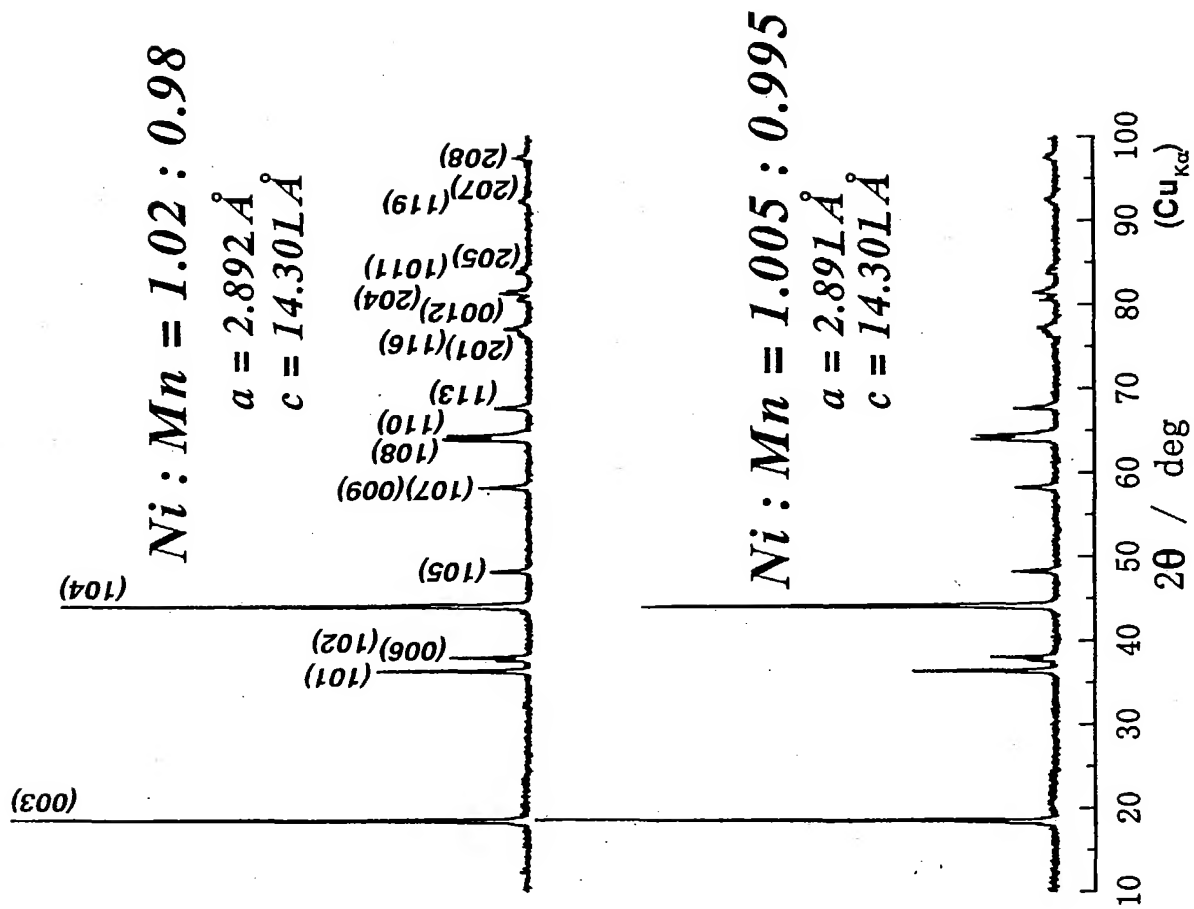


FIG. 23

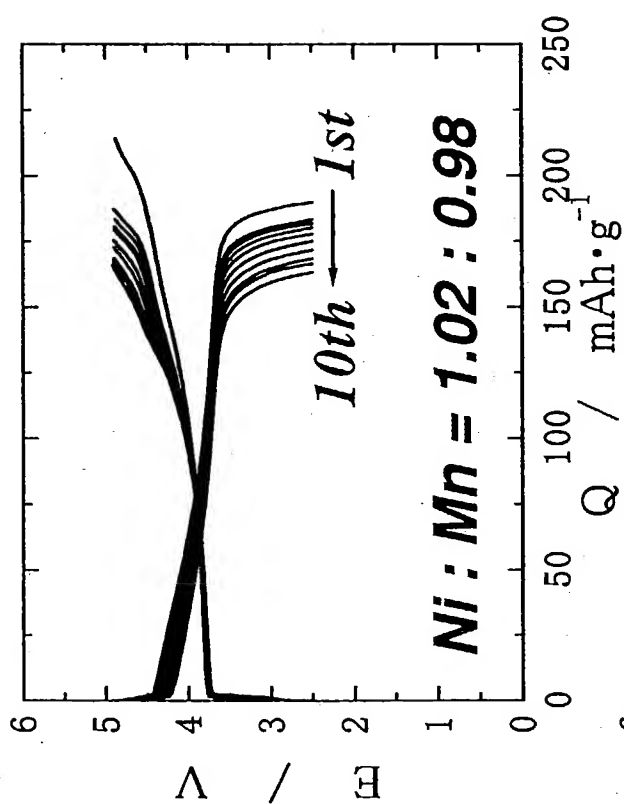
(a)



(b)

FIG. 24

(a)



(b)

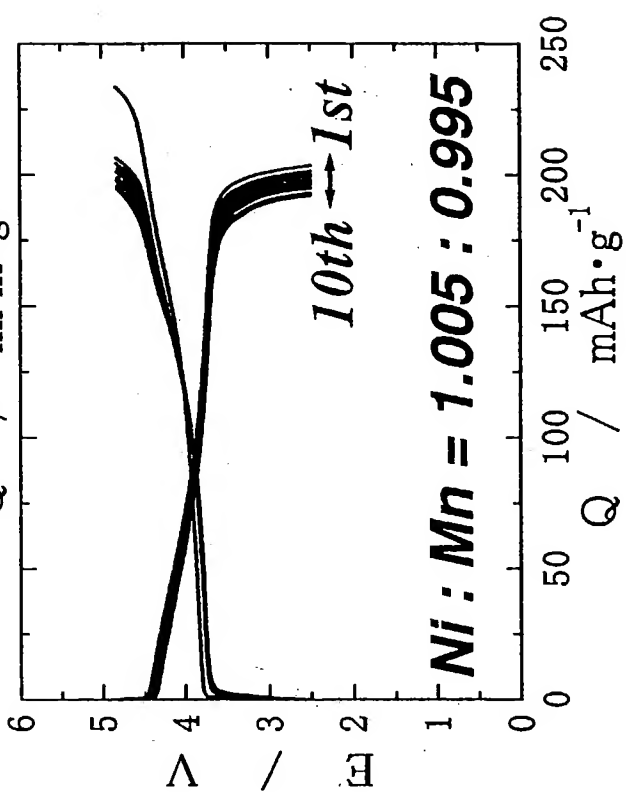
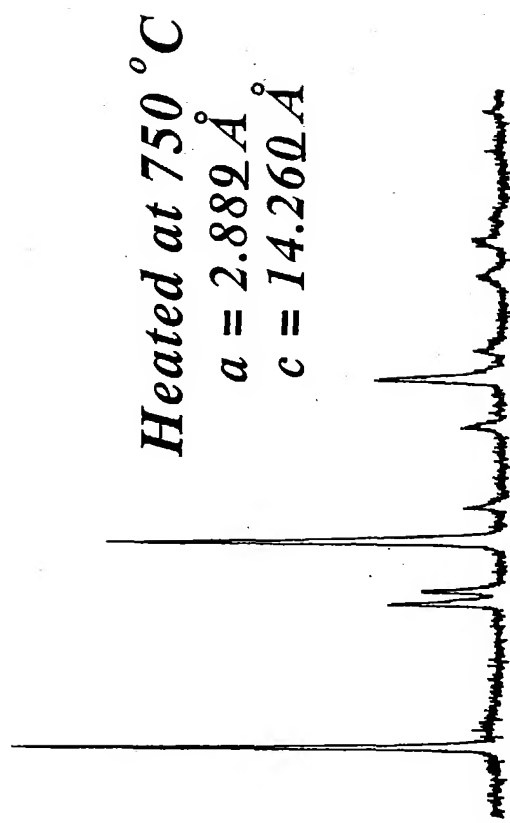


FIG. 25

(a)



(b)

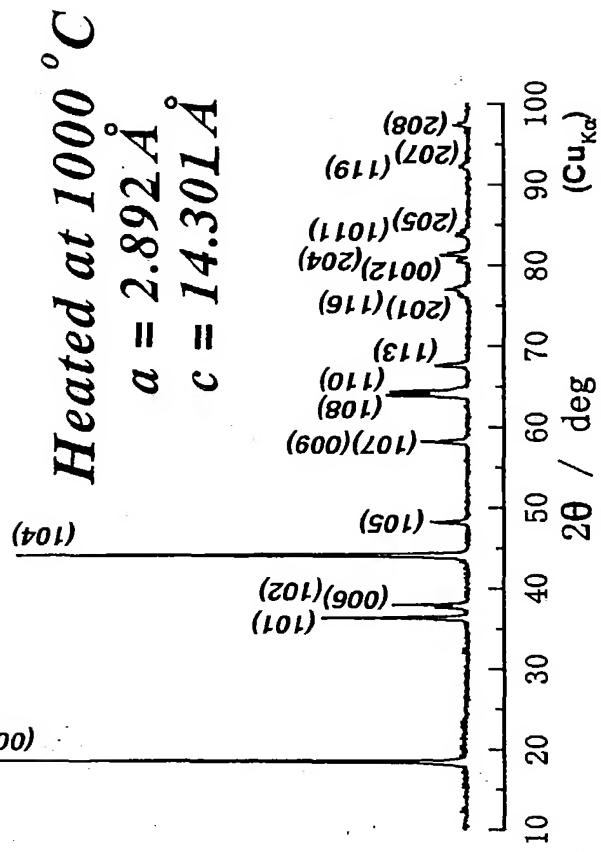
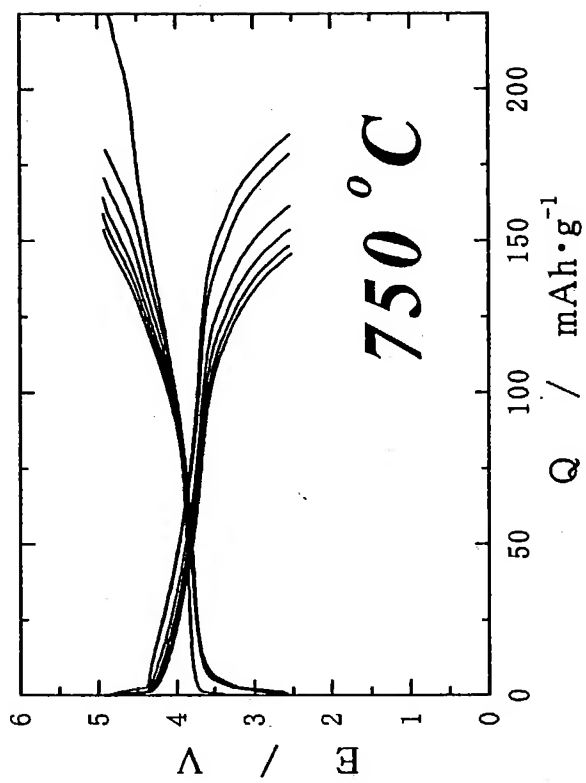
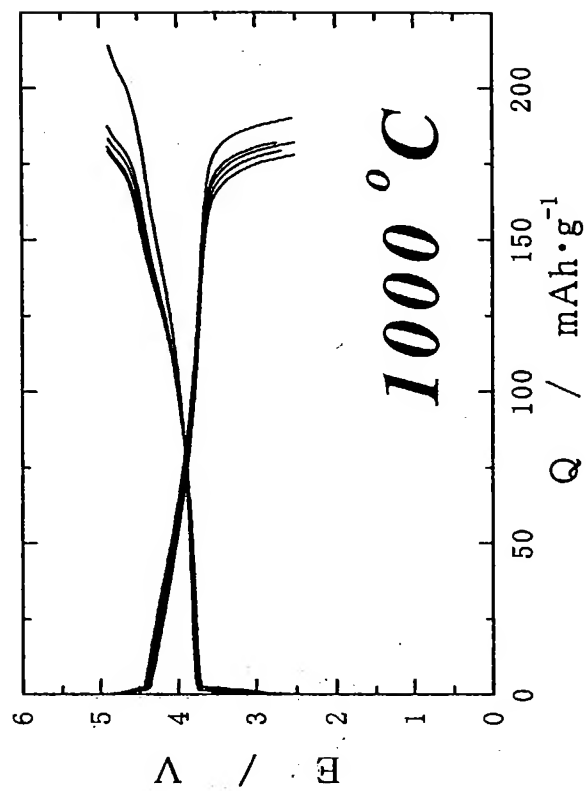


FIG. 26

(a)



(b)



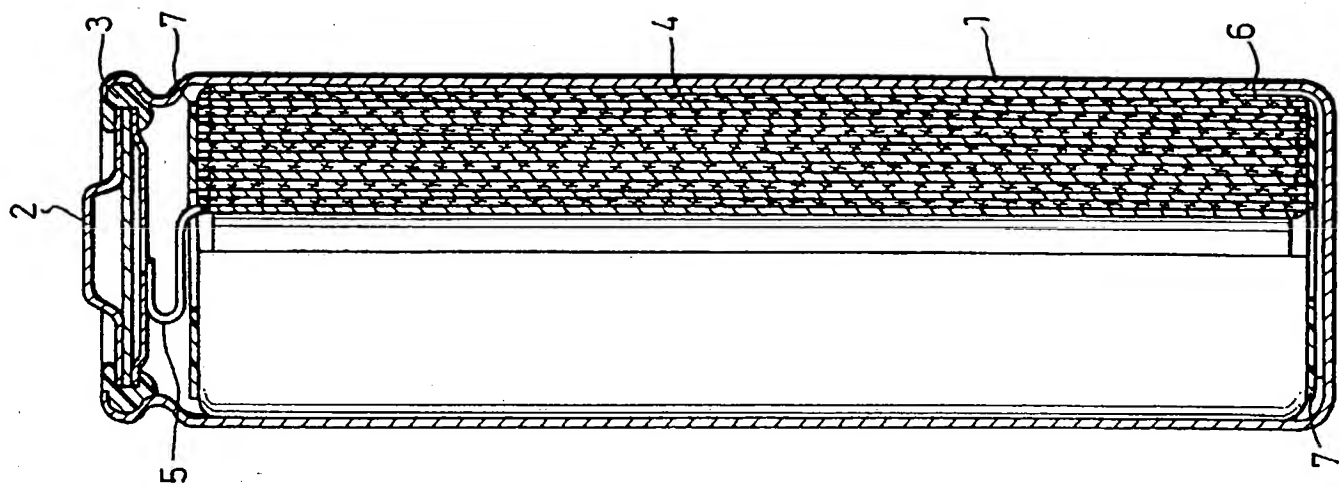


FIG. 27